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(54) **Client-server electronic program guide**

(57) A client-server interactive television program guide system is provided. An interactive television program guide client is implemented on user television equipment. The interactive television program guide provides users with an opportunity to define expressions that are processed by the program guide server. The program guide server may provide program guide data, schedules reminders, schedules program recordings, and parentally locks programs based on the expressions. Users' viewing histories may be tracked. The program guide server may analyze the viewing histories and generates viewing recommendations, targets advertising, and collects program ratings information based on the viewing histories.

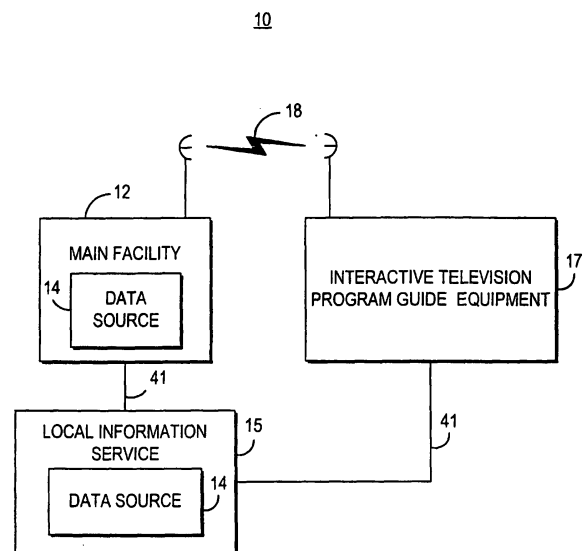


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 03 01 3369

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 94/14284 A (DISCOVERY COMMUNICAT INC [US]) 23 June 1994 (1994-06-23) * page 15, line 12 - page 18, line 12 * * page 59, line 11 - page 65, line 31 * * page 78, lines 16-24 * * figures 11-13 *	1-17	INV. H04N7/16 H04N7/173
X	DE 44 40 419 A1 (ISSING TILMAN [DE]; ISSING LUDWIG DR [DE]; ISSING MATTHIAS [DE]) 9 May 1996 (1996-05-09) * column 3, line 5 - column 5, line 24 * * column 6, lines 55-63 * * figure 1 *	1-5, 7-10, 13-15	
A	WO 96/41478 A (TV GUIDE ON SCREEN [US]) 19 December 1996 (1996-12-19)		
			TECHNICAL FIELDS SEARCHED (IPC)
			H04N
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 25 March 2009	Examiner Van der Zaal, Robert
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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25-03-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9414284 A	23-06-1994	AT 177277 T	15-03-1999
		AT 199294 T	15-03-2001
		AT 176840 T	15-03-1999
		AT 192005 T	15-05-2000
		AT 190180 T	15-03-2000
		AT 183352 T	15-08-1999
		AT 176841 T	15-03-1999
		AT 219615 T	15-07-2002
		AT 197366 T	15-11-2000
		AT 214534 T	15-03-2002
		AT 237906 T	15-05-2003
		AT 221714 T	15-08-2002
		AT 262251 T	15-04-2004
		AT 281041 T	15-11-2004
		AT 283608 T	15-12-2004
		AT 289148 T	15-02-2005
		AT 240021 T	15-05-2003
		AT 278294 T	15-10-2004
		AT 352170 T	15-02-2007
		AU 4440797 A	29-01-1998
		AU 4532597 A	05-02-1998
		AU 693775 B2	09-07-1998
		AU 5732994 A	04-07-1994
		AU 692427 B2	11-06-1998
		AU 5733094 A	04-07-1994
		AU 691479 B2	21-05-1998
		AU 5733194 A	04-07-1994
		AU 692428 B2	11-06-1998
		AU 5733294 A	04-07-1994
		AU 5736394 A	04-07-1994
		AU 5845894 A	22-06-1994
		AU 5869894 A	04-07-1994
		AU 6066798 A	04-06-1998
		BR 9307619 A	15-06-1999
		BR 9307620 A	10-08-1999
		BR 9307621 A	15-06-1999
		BR 9307622 A	15-06-1999
		BR 9307623 A	16-05-2000
		BR 9307624 A	15-06-1999
		BR 9307625 A	31-08-1999
		CA 2151456 A1	23-06-1994
		CA 2151457 A1	23-06-1994
		CA 2151458 A1	23-06-1994
		CA 2151459 A1	23-06-1994
		CA 2151460 A1	23-06-1994
		CA 2151461 A1	09-06-1994

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 01 3369

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-03-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9414284	A	CA 2151462 A1	23-06-1994
		CN 1259826 A	12-07-2000
		CN 1259827 A	12-07-2000
DE 4440419	A1	09-05-1996	NONE
WO 9641478	A	19-12-1996	
		AT 313915 T	15-01-2006
		AT 210914 T	15-12-2001
		AU 700302 B2	24-12-1998
		AU 6258596 A	30-12-1996
		BR 9609120 A	24-08-1999
		CA 2223057 A1	19-12-1996
		CN 1190517 A	12-08-1998
		CN 1568001 A	19-01-2005
		DE 69617986 D1	24-01-2002
		DE 69617986 T2	16-05-2002
		DE 69635627 T2	14-09-2006
		EP 0856227 A1	05-08-1998
		ES 2252148 T3	16-05-2006
		ES 2169250 T3	01-07-2002
		HK 1013781 A1	18-02-2005
		JP 11505094 T	11-05-1999
		JP 3228754 B2	12-11-2001
		KR 100268978 B1	16-10-2000
		PL 323914 A1	27-04-1998